

WHAT IS CLAIMED:

1. A hung window carrier system comprising:

a jamb having a generally U-shaped cross section, said generally U-shaped cross section having a back portion and two opposed side portions, said jamb comprising a pair of tracks, each track of said pair of tracks located on a respective side portion and extending in an axial direction substantially parallel to said jamb, said jamb having a pair of opposed channel portions defined by said back portions, respective said two opposed side portions, and respective said pair of tracks;

a sash clip configured to be affixed to a window sash;

a carrier comprising a slidable portion and a window sash support portion, wherein:

said window sash support portion is configured to removably engage said sash clip and further configured to support the window sash; and

said slidable portion is configured to slide along said jamb toward upper and lower extremities in the axial direction between said back portion and said opposed side portions; and

a locking mechanism comprising a jamb lock located on said jamb and a carrier lock located on said carrier, said jamb lock and carrier lock configured to align with each other by sliding said carrier within said jamb, wherein after said jamb lock and carrier lock are aligned, said locking mechanism is configured to lock said carrier in place along the jamb such that said carrier cannot move toward either the upper or lower extremities.

2. The system according to claim 1, wherein said jamb further comprises:

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an aperture located on said jamb where the plurality of tracks are not present, wherein said carrier is insertable into and removable from said aperture in a direction at least one of oblique and perpendicular to the axial direction.

3. The system according to claim 2, wherein said aperture is located proximate the upper extremity of said jamb.

4. The system according to claim 1, wherein said slidable portion comprises:

a first width less than a distance between said two opposed side portions; and

a second width greater than a distance between said two opposed side portions.

5. The system according to claim 2, wherein said slidable portion comprises:

a first width less than a distance between said two opposed side portions; and

a second width greater than a distance between said two opposed side portions, said second width configured to be insertable into and removable from said aperture.

6. The system according to claim 1, further comprising:

a pair of side guides, each having a generally U-shaped cross section and affixed to a respective opposed edge of said slidable portion of said carrier and configured to slide, together with said carrier, within said channel portion in the axial direction.

7. The system according to claim 1, wherein said jamb lock comprises a plurality of jamb locks arranged in the axial direction.

8. The system according to claim 7, wherein:

said carrier lock comprises a carrier clip; and

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said plurality of jamb locks comprises a respective plurality of jamb recesses each configured to accept said carrier clip.

9. The system according to claim 7, wherein

said carrier lock comprises a carrier aperture and a carrier pin;

said plurality of jamb locks comprises a respective plurality of jamb recesses; and

said carrier pin is configured to pass through said carrier aperture to be inserted into a jamb recess of said plurality of jamb recesses.

10. The system according to claim 1, wherein:

said carrier lock comprises a carrier clip; and

said jamb lock comprises a jamb recess configured to accept said carrier clip.

11. The system according to claim 1, wherein

said carrier lock comprises a carrier aperture and a carrier pin;

said jamb lock comprises a jamb recess; and

said carrier pin is configured to pass through said carrier aperture to be inserted into said jamb recess.

12. The system according to claim 1, wherein said carrier lock is located on said slidable portion at a position axially below the window sash, when said window sash support portion supports the window sash.

13. The system according to claim 1, wherein said slidable portion is substantially planar.

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14. The system according to claim 1, wherein said carrier is configured to be connected to a window balance;

15. A method of removing a hung window sash from a jamb of a window frame, the jamb having a generally U-shaped cross section, the generally U-shaped cross section having a back portion and two opposed side portions, the jamb further having a pair of tracks, each track of the plurality of tracks located on a respective side portion and extending in an axial direction substantially parallel to the jamb, the window having a sash clip affixed to a window sash, the method comprising:

supporting the window sash by a window sash support portion of a carrier engaged with the sash clip;

sliding the carrier via a slidable portion thereof, the slidable portion located between the back portion and the opposed side portions, along the jamb in the axial direction;

aligning a carrier lock located on the carrier with a jamb lock located on the jamb;

locking the carrier against movement toward an upper and lower extremity of the axial direction relative to the jamb, by engaging the carrier lock with the jamb lock;

lifting the window sash substantially in the axial direction to disengage the sash clip from the window sash support portion;

laterally moving the window sash in a direction substantially parallel to a plane defined by the window frame;

pivoting the window sash about an axis substantially parallel to the axial direction;

and

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removing the window sash from the jamb.

16. The method according to claim 15, wherein:

the jamb further comprises an aperture located on the jamb where the plurality of tracks are not present;

the method further comprising at least one of inserting and removing the carrier from the aperture in a direction at least one of oblique and perpendicular to the axial direction.

17. The method according to claim 15, wherein:

the jamb further comprises a pair of generally U-shaped side guides respectively located between the pair of opposed side portions and the back portion; and

the method further comprises sliding the carrier by the slidable portion in the pair of generally U-shaped side guides.

18. The method according to claim 15, wherein:

the jamb lock comprises a plurality of jamb locks arranged in the axial direction;

the carrier lock comprises a carrier clip;

the plurality of jamb locks comprises a respective plurality of jamb recesses; and

said locking further comprises inserting the carrier clip into one of the plurality of jamb recesses.

19. The method according to claim 15, wherein:

the jamb lock comprises a plurality of jamb locks arranged in the axial direction;

the carrier lock comprises a carrier aperture and a carrier pin;

the plurality of jamb locks comprises a respective plurality of jamb recesses; and

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said locking further comprises passing the carrier pin through the carrier aperture and into a jamb recess of the plurality of jamb recesses.

20. The method according to claim 15, wherein:

the carrier lock comprises a carrier clip;

the jamb lock comprises a plurality of jamb locks arranged in the axial direction and comprising a respective plurality of jamb recesses; and

said locking further comprises inserting the carrier clip into one of the plurality of jamb recesses.

21. The method according to claim 15, wherein

the carrier lock comprises a carrier aperture and a carrier pin;

the jamb lock comprises a plurality of jamb locks arranged in the axial direction and comprising a respective plurality of jamb recesses; and

said locking further comprises passing the carrier pin through the carrier aperture and into a jamb recess of the plurality of jamb recesses.

22. A method of inserting a hung window into a jamb, the jamb having a jamb having a generally U-shaped cross section, the generally U-shaped cross section having a back portion and two opposed side portions, the jamb further having a pair of tracks, each track of the plurality of tracks located on a respective side portion and extending in an axial direction substantially parallel to the jamb, the window having a sash clip affixed to a window sash, the method comprising:

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inserting an edge of the window sash into the jamb, the edge substantially parallel to the axial direction;

pivoting the edge of window sash about an axis substantially parallel to the axial direction until a plane defined by the window sash is substantially parallel with a plane defined by the jamb;

laterally moving the window sash along the plane defined by the window sash;

lowering the window sash substantially in the axial direction to engage the sash clip with a window sash support portion of a carrier; and

unlocking the carrier in the axial direction relative to the jamb by disengaging a carrier lock from a jamb lock, such that a slidable portion of the carrier may slide along the jamb in the axial direction, the slidable portion located between the back portion and the opposed side portions.